

Know the Earth...Show the Way

National Geospatial-Intelligence Agency New Campus East Springfield, VA

Eileen Preisser, Program Advocate New Campus East Program Management Office March 2007

Purpose

- Explain why NGA must build a new campus on Ft Belvoir's EPG in Springfield, VA
- Provide updated information on how NGA intends to create New Campus East (NCE) at Springfield, Virginia
- Describe the challenges and benefits of NGA's move to Springfield

Agenda

- Background
 - NGA: What do we do?
 - BRAC Mandate
- NCE Meeting Mandate
 - Guiding Principles
 - Establish PMO
 - Value
 - PMO areas of responsibilities
 - Key External Dependencies
 - Key External Stakeholders
- NCE Site and Constructs
 - Мар
 - Building design
 - Transportation challenges and mitigating factors
- Summary
 - Who What When Where Why and How





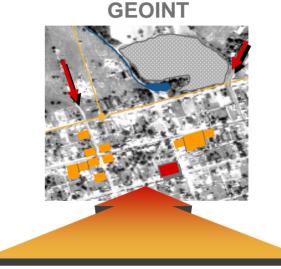
National Geospatial-Intelligence Agency (NGA) is a National Intelligence and Combat Support Agency

Mission:

Provide Timely, Relevant, and Accurate GEOINT in support of National Security

Definition:

"The exploitation and analysis of imagery and geospatial information to describe, assess, and visually depict physical features and geographically referenced activities on the Earth. GEOINT consists of imagery, imagery intelligence, and geospatial information."

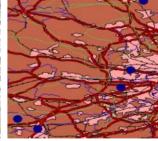








Imagery Intelligence



Geospatial Information





What is NGA and What Do We Do?

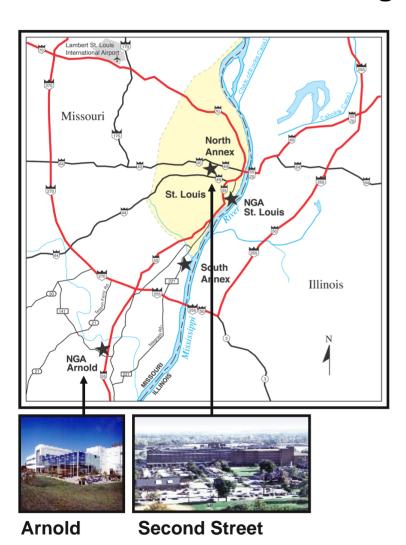
Established as NIMA in 1996 to integrate imagery intelligence and mapping functions

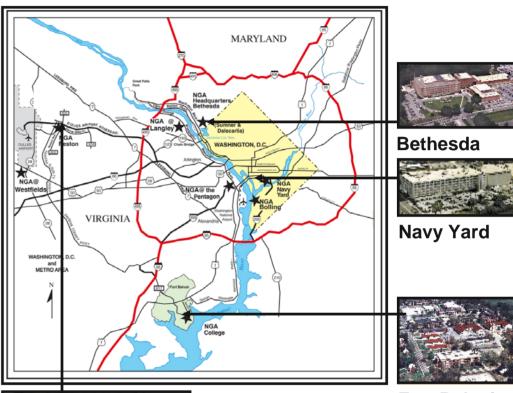
- Incorporated Entirely:
 - Defense Mapping Agency
 - Central Imagery Office
 - Defense Dissemination Program Office
 - National Photographic Interpretation Center
- Incorporated Imagery Elements Of:
 - Defense Airborne Reconnaissance Office
 - National Reconnaissance Office
 - Defense Intelligence Agency
 - Central Intelligence Agency
- Name Changed on 24 Nov 03 to NGA



What is NGA and What Do We Do?

NGA facilities: A management and force protection challenge





Fort Belvoir

Reston



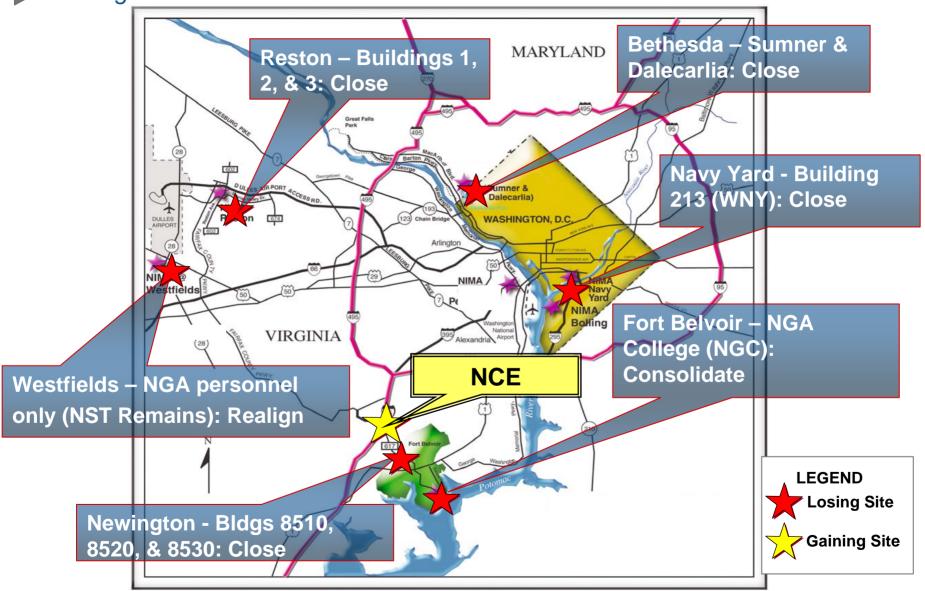
Benefits of Deploying NGA Mission to NCE

- Improved synergies among analytic, source management, and enabling technical expertise
 - Enhances GEOINT mission success and support to the Intelligence Community and Warfighters
 - Enables business process reengineering
- Creates an opportunity to unify East and West:
 - Allows the opportunity to identify missions that can be performed at St Louis
 - Opportunity to consolidate Information Libraries in St Louis
- Improved and consolidated customer service functions
 - Improves workforce mission capabilities and productivity
 - Improves workplace environment
- Provide an environment that attracts and retains high caliber people
- Reduced infrastructure redundancies required at multiple sites
- Reduce facility operation and maintenance costs
 - Safe and secure working environment supporting Anti-terrorism/ Force Protection

Background: BRAC Mandate

- In May 2005 OSD recommendations announced: NGA directed to consolidate at Fort Belvoir, VA
- BRAC became law on 9 November 2005
 - Relocate NGA East Coast functions to a new facility at Fort Belvoir, VA
 - Close Dalecarlia and Sumner sites, Bethesda, MD
 - Close Reston 1, 2, and 3 leases, Reston, VA
 - Close Newington 8510, 8520 and 8530 leases, Newington, VA
 - Close Building 213 lease, Washington Navy Yard, Washington, D.C.
 - Realign NRO Office facility by relocating NGA functions to a new facility at Fort Belvoir, VA
 - Consolidate all NGA College functions into the new facility at Fort Belvoir, VA

Background: BRAC Mandate





Background: BRAC Mandate

Timeline – Key Dates

- ✓ May 2005: OSD recommendations announced: NGA directed to consolidate at Fort Belvoir, VA
- ✓ August 2005: BRAC Commission votes in favor of the the SecDef recommendation on NGA
- ✓ September 2005: Commission forwarded report to POTUS
- ✓ September 2005: POTUS forwarded rpt to the Hill unchanged
- √ 9 November 2005: 45 day statutory time period for the Congress to disapprove the report expired: BRAC 2005 became law
- ✓ 27 July 2006: 'Preferred Site announced to be EPG in Springfield, VA. (Became 'official' site upon favorable EIS and signature of ROD.)
- □ 2006–2011 Plan, Design, Construct, & Occupy
- □ 15 Sep 2011: Fed statute requires NGA to close/vacate facilities at 6 locations in the East

Background: BRAC Mandate (Current Status)

2006–2011 Plan, Design, Construct, & Occupy Timeline

Date	Milestone
28 Sep 2006	Army provided NGA site specific location on the EPG in Springfield, VA
Dec 2006	Complete Architectural Programming
Mar 2007	Finalize initial design of facility
Jul 2007	Ft Belvoir Environmental Impact Statement (EIS) Record of Decision (ROD) Signed
Sep 2007	Ground Breaking
Dec 2007	Begin building construction
May 2010	Begin phased occupancy
Sep 2011	BRAC fully implemented – NGA affected sites consolidated and fully operational in new facility at EPG in Springfield, VA

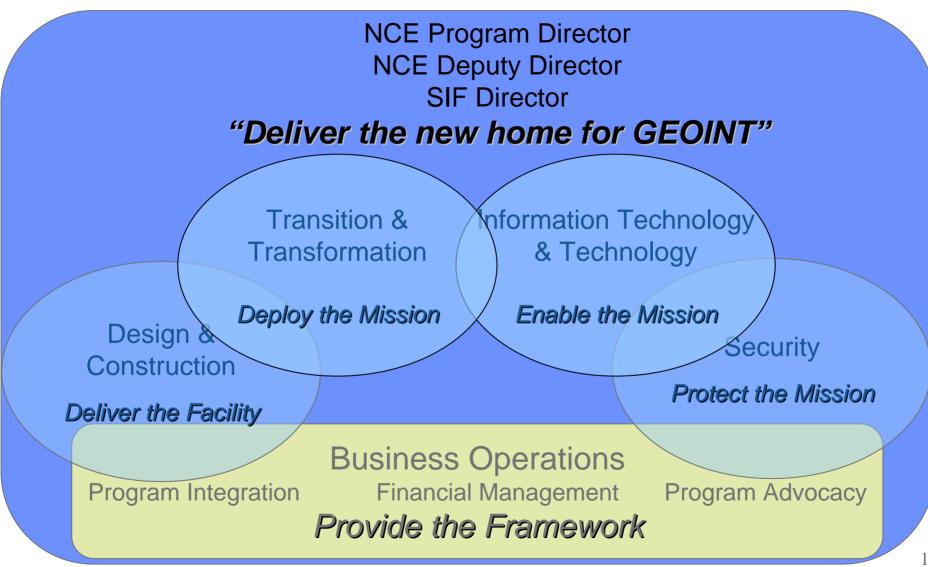


Guiding Principles for the design of NCE

- The design of NCE will:
 - Enable mission success
 - Inspire workforce and customers
 - Facilitate organization change and transition
 - Meet the needs of NGA's future high-tech workforce
 - Unify...



NCE: Meeting the Mandate



▶ NCE: Meeting the Mandate





NCE: Meeting the Mandate

"Deliver the National Geospatial-Intelligence Agency to New Campus East"

Co-located Functions & Professionals

+

Purpose Built Facility

=

Enhance Mission Performance

- Transition → transformation, mission deployment & reconstitution
 - Information Technology → uniform, robust & stable infrastructure
 - Design & Construction → modern facility with low operating costs
 - Security → secure construction & work environment

Enable transformation of mission capabilities for decades to come





NCE Program Areas of Responsibility

Design & Construction

- 2.419M GSF (KPP)
- 7,650 workspaces/850 support for 8,500 people (KPP)
- 55,000 SF Tech Center -150 watts/SF
- 24x7 Command Center
- Central Utilities Plant
- Visitor Center
- Remote Inspection Facility
- 5100 parking spaces (60% of 8,500)
- Site development
- Site roads and utilities
- Permits

Transition

- Mission deployment & reconstitution (KPP)
- Dual facility operations

Information Technology

- Active IT design, purchase & install (KPP)
- -Passive IT Design
- WAN connectivity design, purchase & install

Security

- Antiterrorism/Force Protection (KPP)
- Physical Security



► NCE: Meeting the Mandate

Key External Dependencies

- Transition Dependencies
 - None
- Information Technology Dependencies
 - Communications Infrastructure
 - WAN: DISA, Mission Partner
 - Commercial: Army DOIM
 - Policy & Standards

Design & Construction Dependencies

- EIS (concluded with ROD)
- Permits (Air Emissions & Wetlands)
- Commercial Power
- Offsite Access Roads/Transportation
- Gas/Water/Sewage Utilities
- Site remediation
- Master Plan

Security Dependencies

- WHS & EPG in Springfield, VA Security ISSAs/MOUs/MOAs
- International Partner treaties and agreements
- Mission Partner MOUs/MOAs

Proactive Management of External Dependencies Required

▶ NCE: Meeting the Mandate

NCE External Stakeholders

DoD

- OSD BRAC Office
- Army (ASA I&E)
- Ft. Belvoir
- Baltimore Corps of Engineers
- Mobile Corps of Engineers

External

- Fairfax County
- Virginia DOT
- Virginia DEQ (Dept of Env. Quality)
- Army Corps of Engineers
 - Regulatory Agency
- National Capital Planning Commission
- Public / Interest Groups
- Dominion Virginia Power

Role Process / Approval

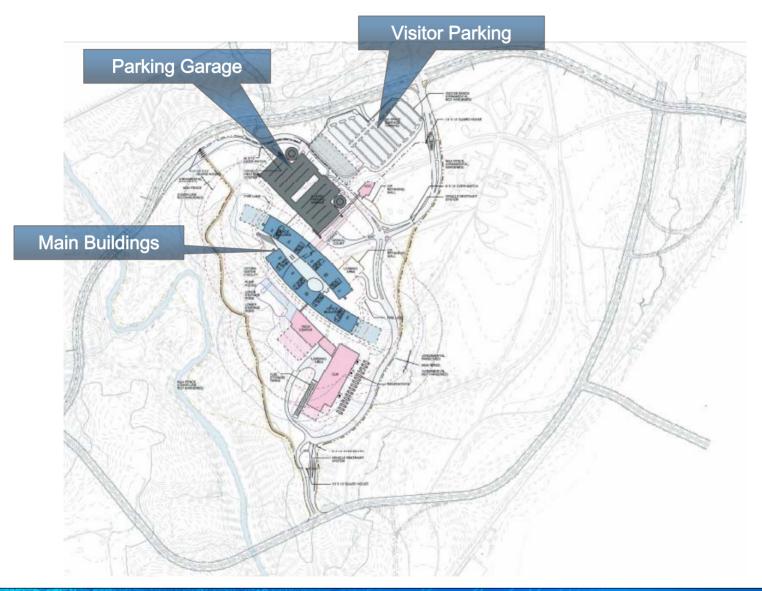
- BRAC Policy, budget and plan
- BRAC Manager, Roads
- Land, master plan, utilities
- Construction agent, roads
- Environmental Impact (EIS)
- Political, site, roads, utilities
- Roads and access
- Permits: Air, wetlands, bridge
 - Wetlands permits
- EIS, Master Plan, Transportation Plans
- Comment: EIS, permits
- Electric Power to site

▶ NCE: Site and Construction



lack

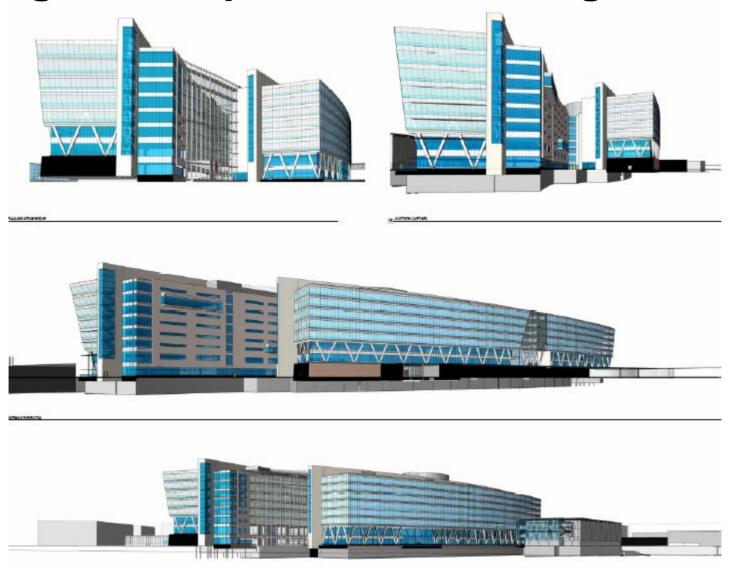
▶ Design Concept – Site



Design Concept - Main Building



Design Concept - Main Building



► NCE: Site and Construction

Transportation Challenges & Mitigating Factors

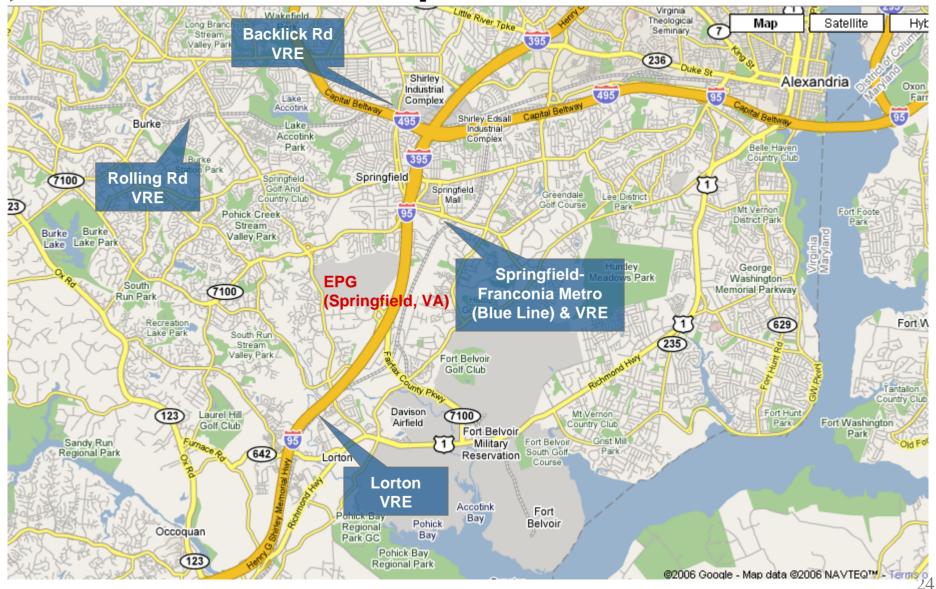
Challenges

- Funding to support needed improvements
 - I-95 Corridor
 - Fairfax County Parkway
 - Local roads
- Timeline for completion that coincides with BRAC deadline

Mitigating Factors

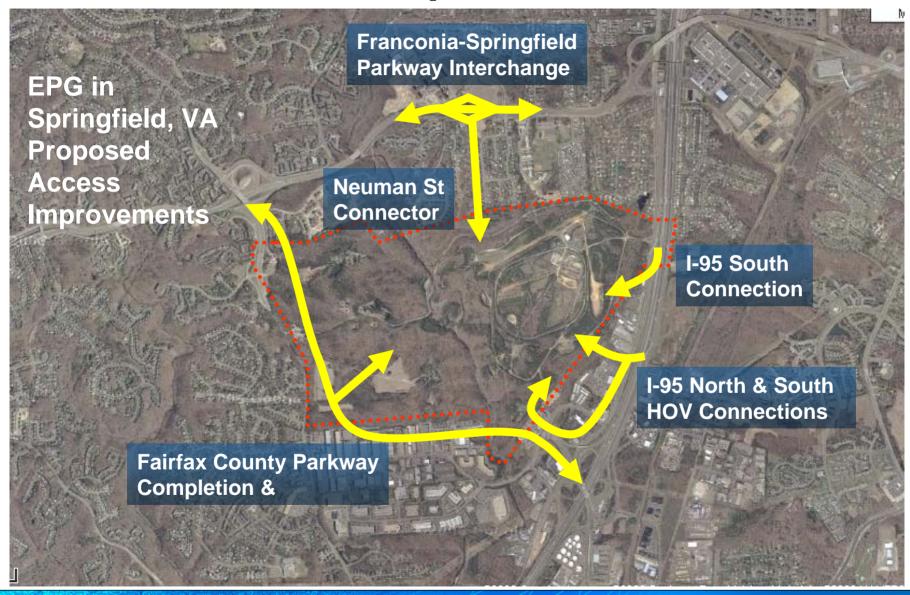
- Road improvements proposed to support increased traffic in the Springfield area
- Public transportation options
 - VRE
 - Metrorail
 - Car and van pools
- Flexible work schedule

NCE: Site and Transportation



NCE: Site and Transportation DC ZONE 1 LOUDOUN UNION STATION ... L'ENFANT M CRYSTAL CITY M ZONE 2 ALEXANDRIA M MANASSAS PARK **EPG** /SPRINGFIELD A M MANASSAS LINE Springfield, VA ZONE 3 ROAD RUN/AIRPORT # LORTON A PRINCE WOODBRIDGE @ " ZONE 4 ZONE 5 VΑ Possible QUANTICO @ Shuttle STAFFORD ZONE 6 FREDERICKSBURG LINE Locations ZONE 7 BROOKE @ LEELAND ROAD A SPOTSYLVANIA ZONE 8 FREDERICKSBURG

NCE: Site and Transportation





Summary

NGA New Campus East (NCE) - W5H

- WHO Selected NGA East sites (NCR)
- WHAT Campus designed for NGA
- WHEN September 15, 2011
- WHERE Springfield, Virginia
- WHY Federal Statute Mandates
- HOW Agency level Program Management office working with the Army Corps of Engineers



- BRAC has mandated NGA move to Springfield. We are following federal law
- NGA is on track to deliver the NGA to the NCE not later than September 15, 2011
- NGA will achieve enhanced mission performance by consolidating its facilities
- NGA is dependent on the local, state and federal government for NCE's success
- NGA is working in conjunction with Ft. Belvoir and the Commonwealth of Virginia to overcome the transportation challenges





Excerpt from the BRAC Statute

"Close National Geospatial-Intelligence Agency (NGA) Dalecarlia and Sumner sites, Bethesda, MD; Reston 1, 2 and 3, leased installations in Reston, VA; Newington buildings 8510, 8520, and 8530, Newington, VA; and Building 213 a leased installation at the South East Federal Center, Washington, DC. Relocate all functions to a new facility at Fort Belvoir, VA. Realign the National Reconnaissance Office (NRO) facility, Westfields, VA, by relocating all NGA functions to the new facility at Fort Belvoir, VA. Consolidate all NGA National Geospatial-Intelligence College functions on Fort Belvoir into the new facility at Fort Belvoir, VA."

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

NCE PMO Organization and Functions

Responsibilities

- Program Management
- Scheduling
- •Risk Management
- •Financial Management
- Contracting
- •Internal & External Synchronization
- Design and Construction
- •Requirements definition
- Design Review
- Construction Management
- Transportation
- Environmental
- Technology Design and Integration
- System Integration
- •IT deployments
- •L&H recapitalization
- •Transition Integration
- NGA move planning
- •Move coordination and integration
- Move execution
- •Facility closure activities
- Customer interface
- Employee information
- Focus groups
- Strategic planning and external liaison
- •Mission and operations integration
- Analytic work environment champion

NGA Focus Area Transform mission performance through the New Campus East and further development of our facilities in the West.



Design & Construction

Tom Bukoski, APM

Transition Cindy Burns, APM

IT Infrastructure Karen Re. APM

Security Tommy Belcher, APM

The NCE portion of our agency's transformation process extends well beyond the brick and mortar of a new building.

The impact of the NCE initiative will reach every employee in the agency with new opportunities that will accommodate new business processes





Requirements Baseline

New Campus East Program

Transition

- Mission deployment & reconstitution (KPP)
- Dual facility operations
- Lease termination Reston
- Partial decommissioning
- Miscellaneous furnishings
- Transformation facilitation

Information Technology

- Active IT design, purchase & install (KPP)
 - Network
 - Voice/Video
 - Workstations
 - Servers and storage
 - Audio Visual
 - Enterprise Management Capabilities
- Passive IT Design
- WAN connectivity design, purchase & install
- Phone connectivity purchase & install
- Tech Center Fit Out (PoP, Exchanges, AIC, ITF)

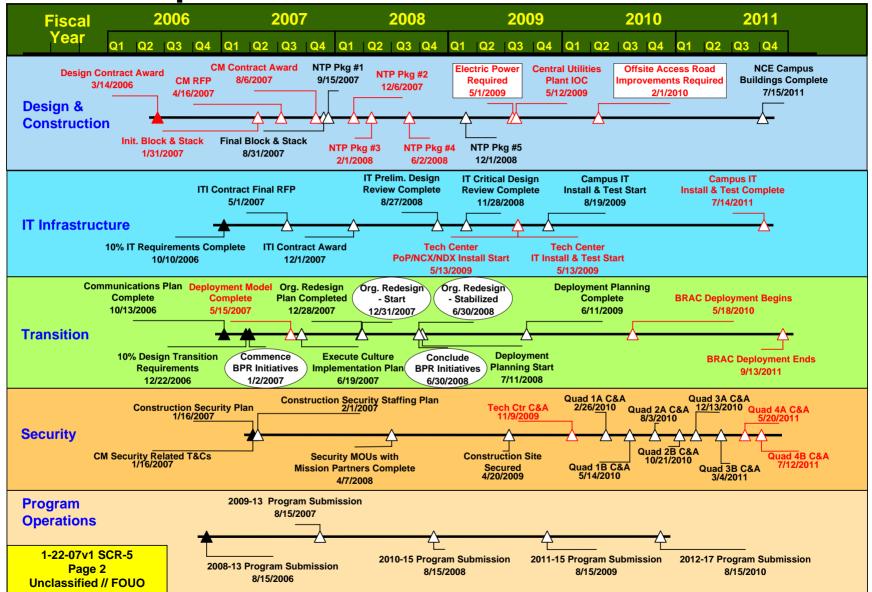
Design & Construction

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- 5100 parking spaces (60% of 8,500)
- Site development
- Site roads and utilities
- Permits
- Passive IT Purchase & install (thru CM contract)

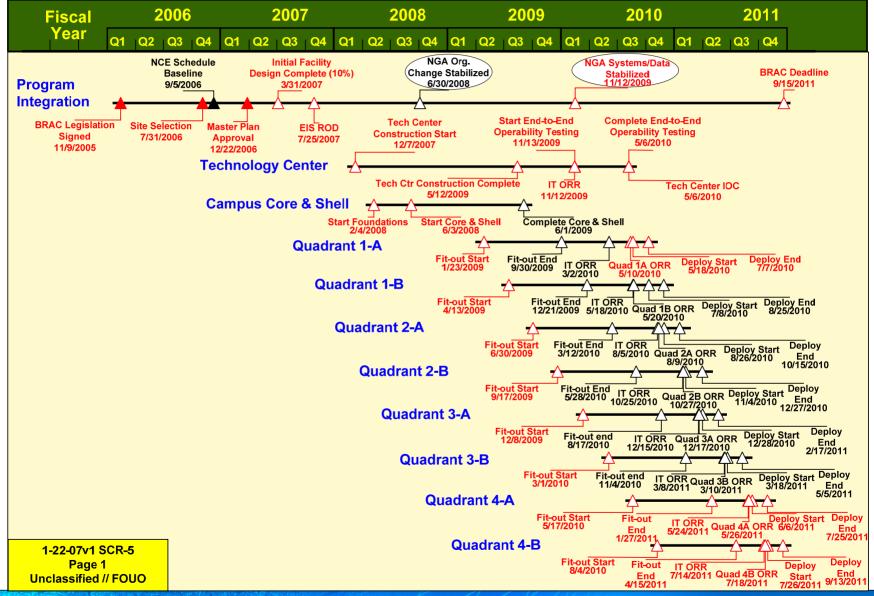
Security

- Antiterrorism/Force Protection (KPP)
- Physical Security
 - Design & Construction
 - Operations
- AIS SP / C&A

New Campus East – Schedule Milestones



New Campus East – Baseline Milestones (Page 1 of 2)



Benefits of NGA Consolidating Under BRAC

- Increase force protection and mission assurance
- Reduce facility operation and maintenance costs
 - Annual Recurring Savings: \$ 127.7 M
 - Payback: 8-years
 - 20-year savings (NPV): \$ 535.1 M
- Enable integrated operations and improve interface with end users
- Conclude integration of disparate legacy elements to enhance mission effectiveness
- Provide an environment that attracts and retains high caliber people

Secondary Benefits

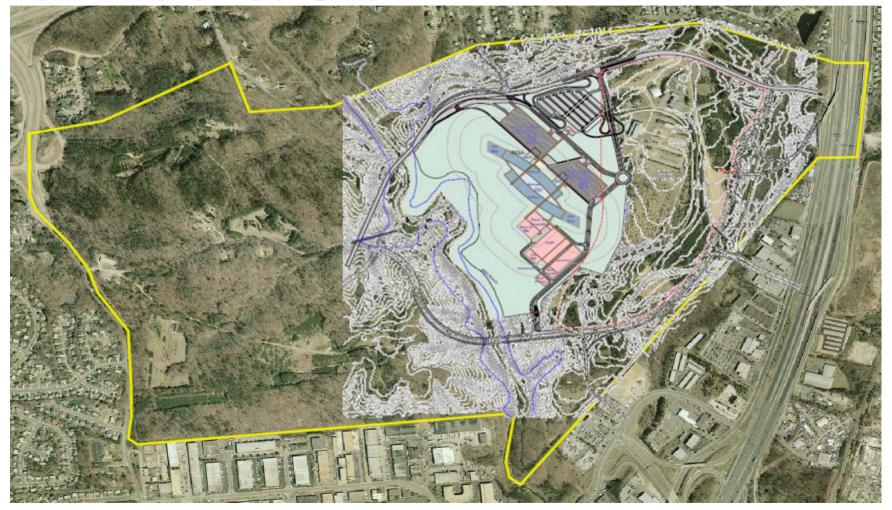
- Unique opportunity to design the future home for GEOINT
- Creates an opportunity to identify and reduce redundant capabilities
- Creates an opportunity to unify East and West:
 - Allows the opportunity to identify missions that can be performed at St Louis
 - Opportunity to consolidate Information Libraries in St Louis
- Allows us to test business continuity plan

Impacts

Strengthening analysis capabilities improves products

 Workforce focused on producing quality products. (Technology enhances rather than hinders production.)

 New facilities provide an environment that attracts and retains the best people Current version of NCE Design overlaid on Preferred Site



NCE Internal Stakeholders

- Stakeholder
 - KC's

SAG

- FI G
- Focus Groups (Formal and informal sessions)
- Workforce (e-mails, Town Halls, Comments)
- PMO

Role

- Identified facility requirements and needs
- Personnel projections (Gov't & Contractor)
- Functional needs
- Conduit for KC information
- Sounding board for facility needs
- Identify cultural needs / focus NGA's image
- Establish NCE Occupancy Criteria
- Identify special requirements and desires
- Identify preferences and desires
- Set technical and deployment needs
- Set IT requirements and needs
- **Facilitate Transformation Goal Setting**
 - Facilitate Business Process Re-engineering 40

Key Internal Dependencies

Transition Dependencies

- KC Transformation Tracked Items
- KC Deployment Constraints
- KC Pre-Deployment Preparations/Training
- Workforce Recruitment & Retention
- Leave Restoration

Information Technology Dependencies

- L/H Application Migrations/Retirements
 - GEOINT Mission
 - Corporate Services
- Legacy infrastructure convergence
- GeoScout Blk 2 & New Systems
- NGA Data Centers
 - Mission Data & Library Migrations
 - Commercial Partnering/SLAs
- End-to-End Mission Operability testing

Design & Construction Dependencies

- Computer Aided Facility Management (CAFM)

Security Dependencies

- NGA/SI Physical and Technical Resources
- NGA/EM AISSP C&A Resources